

Product datasheet for MR206245

Aadac (NM_023383) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aadac (NM_023383) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aadac
Synonyms:	5033417E09Rik; Aada; AI265437
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206245 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAAAACCATTTCTTCTCATCTCTGTGGTGCTTGTAGCTTATTATCTTTATATACCGCTTCCAG
ATGCTATTGAAGAGCCTTGAAGGTAGTATGGGAACTGCCTTTGTAAAGATAGGAACAGATTTGGCTTC
ATTTGGTGAACCTTTGGGAATCAGTCACCTCATGGAAACGATACAGTTACTTATGAGTTTTCAAGAAGTC
CCACCCACGTCTGATGAGCATGTCAGTGTGATGGAGACAGCTTTCGACAGTGTCCCGTTCGCATATACA
TACCCAAAAGAAAGTCAATGACTCTCAGGCGGGCTTGTATTTATATTCATGGTGGTGGCTGGTGTGGG
GAGTGTGCTCACTTCTCCTATGACACTCTATCGAGATGGACAGCCATAAACTTGATGCTGTTGTGTG
TCAACTGACTATGGCTTAGCCCCAAAACACCATTTTCCAAGACAGTTTGAAGATGTGTATCGTAGTTTAC
GATGGTCTTACAAGAGGACGTCCTTGA AAAATATGGTGTAGATCCTAGGAGAGTCGGTGTGCTGGAGA
CAGTGTGGGGAAACTTAGCCGAGCTGTGACCCAACAGCTTATACAAGATCCAGATGTCAAGATCAAA
CTCAAGGTCCAAGCCTTAATATATCCTGCCCTTCAGGCTTGTATACGAATGTACCATCACAAACAAGAG
GTTCCCATTTCCAGTTTTAACCAGGTCATTAATGGTCAGGTTCTGGAGTGAATACTTTACTACAGACCC
AGGCCTGGAAAAGCCATGCTTCTCAACCAACATGTACCATGGAATCTAGCCACTGTTACAGTTTGTG
AATTGGAGTTCCTTGCTCCCTGAGAGATAAAGAAAAGTCCCCTTTACAAAAATCCCACCTCTGGTAGTT
CTGAGCTGGCTCAAAGTATCCAGGGTTATAGATGTGAAGGCATGCCCTCTGTTGGCCAATGACAATAT
ATTGCATCATTTACCTAAGACCTATATCATCACTTGCCAGTATGATGTCCTAAGAGATGATGGACTCATG
TATGTCAAGCGGCTTCAGAAATGTTGGAGTTCATGTTACTCATCCCATGTGGAAGATGGATTCCATGGAA
CGTTTTCTTTCTGTTTAAAACCTTTCAGAGAGGATGAAAAATCAGTACTTGAGTTGGCTTATCAAAA
TCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206245 protein sequence
Red=Cloning site Green=Tags(s)

MGKTISLLISVVLVAYLYIPLDAIEEPWKVVWETAFVKIGTDLASFGELLGISHFMETIQLMSFQEV
 PPTSDEHVTVMETAFDSVPVRIYIPKRKSMTLRRLGFYIHGGGWCLGSAAHFSYDTLSRWTAKLDAVVV
 STDYGLAPKHHFPRQFEDVYRSLRWFLQEDVLEKYGVDPRRVGVSGDSAGGNLAAAVTQQLIQDPDVKIK
 LKVQAL IYPALQALDTNVPSQQEGSHFPVLRSLMVRWFSEYFTDRGLEKAMLLNQHVPMESSHLLQFV
 NWSLLPERYKSPVYKNPTPGSSELAQKYPGFIDVKACPLLANDNILHHLPKTYIITCQYDVLRDDGLM
 YVKRLQNVGVHVTHHHVEDGFHGTFSFPLKLSERMKNQYLSWLKKNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_023383

ORF Size: 1197 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_023383.1](#), [NP_075872.1](#)

RefSeq Size: 1294 bp

RefSeq ORF: 1197 bp

Locus ID: 67758

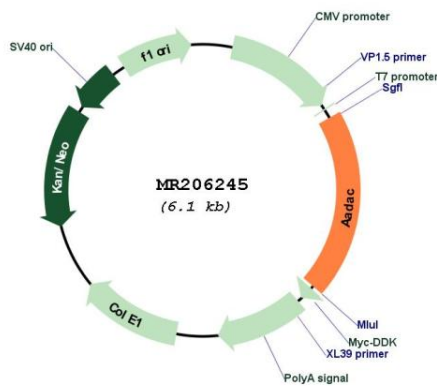
UniProt ID: [Q99PG0](#)

Cytogenetics: 3 D

MW: 45.3 kDa

Gene Summary: Displays cellular triglyceride lipase activity in liver, increases the levels of intracellular fatty acids derived from the hydrolysis of newly formed triglyceride stores and plays a role in very low-density lipoprotein assembly (By similarity). Displays serine esterase activity in liver. Deacetylates a variety of arylacetamide substrates, including xenobiotic compounds and procarcinogens, converting them to the primary arylamide compounds and increasing their toxicity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206245